GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA

UNSTARRED QUESTION NO:438
ANSWERED ON:17.11.2016
Generation of Power from Tidal Waves of Sea
Chavan Shri Ashok Shankarrao;Gupta Shri Sudheer;Jayavardhan Dr. Jayakumar;Kirtikar Shri Gajanan Chandrakant;Mahajan Smt. Poonam ;Mahato Shri Bidyut Baran;Singh Shri Bharatendra

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

a) Whether the Government is planning to generate power from tidal waves of the sea , if so , the details thereof
b) whether the Government proposes to use the foreign technology for this purpose and the said project is economically viable. If so, the details thereof
c) the amount likely to be incurred for the development of tidal energy and the estimated quantum of power to be generated along with the time by which the power from the tidal waves is likely to be operationalized
d) the details of tidal projects which are operational in the country, State and location wise
e) the funds allocated for the setting up of these projects in the country , state-wise
f) whether the government has signed any Memorandum of Understanding with the private companies and foreign countries for investing in technology for developing tidal power projects recently, if so, the details thereof; and
g) the amount of FDI made in the tidal projects during the last three years and current year?

Answer

THE MINISTER OF STATE FOR POWER, COAL, NEW AND RENEWABLE ENERGY & MINES (INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

(a) & (b): Generation of power from tidal waves of the sea has not taken off on account of higher capital cost and unsustainable feed in tariff. Ministry of New and Renewable Energy (MNRE) supports the promotion of Research, Design & Development for projects including tidal energy also through financial incentives.

The MNRE sanctioned a project for setting up a 3.75 MW demonstration tidal power plant at Durgaduani Creek in Sunderbans, West Bengal to the West Bengal Renewable Energy Development Agency (WBREDA), Kolkata in February 2008. However, the project was axed due to very high cost.
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(c): NHPC (Ministry of Power) had conducted a study in 2013 to identify potential areas for tidal energy. The identified power potential is of the order of 8,000 MW and are in Gulf of Cambay, Gulf of Kutch and Sunderbans.
(d): There is no tidal power project currently operational in the country.
(f): No Madam, No MoU has been signed recently with any company or any foreign country for investing in technology for developing tidal power projects.
(g): No such data is available with the MNRE.
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